

Claims

1. Board-type runner device, consisting of at least a top layer with a top surface and a running layer with a running surface lying opposite it and optionally with edging elements extending in the longitudinal direction of the runner device, the top surface of the top layer and/or the running surface of the running layer having at least one recess, characterised in that the at least one recess is provided with a device in at least the region of the recess for increasing slipping and friction resistance at the running surface and/or top surface if necessary.
2. Board-type runner device as claimed in claim 1, characterised in that the device has at least one active element which may be displaced if necessary, in particular into an active position engaging with a surface directed towards the running surface or top surface.
3. Board-type runner device as claimed in claim 2, characterised in that the at least one active element of the device is provided in the form of a projection which is disposed at least partially in one of the recesses.
4. Board-type runner device as claimed in claim 1, characterised in that the device has an operating mechanism by means of which the device can be transferred from a passive position, in particular an inactive position, into an active position in order to increase slipping resistance and/or out of the active position into the passive position.
5. Board-type runner device as claimed in claim 3, characterised in that at least a part-region of the projection stands proud of the running surface of the running layer or the top

surface of the top layer when the device is in the active position.

6. Board-type runner device as claimed in claim 1, characterised in that the at least one recess extends along an external surface through a thickness of the top layer or the running layer and is provided in the form of an orifice in particular.

7. Board-type runner device as claimed in claim 1, characterised in that at least one housing compartment for an insert piece is disposed between the top layer and the running layer of the runner device.

8. Board-type runner device as claimed in claim 7, characterised in that the housing compartment is bounded by at least one internal face of the running layer or the top layer and a boundary surface, for example of a core element or a top or bottom belt.

9. Board-type runner device as claimed in claim 7, characterised in that the housing compartment merges into at least one of the recesses, which extends through the thickness of the top or running layer.

10. Board-type runner device as claimed in claim 7, characterised in that the device incorporates at least one insert piece disposed at least partially in the housing compartment, which forms at least one active surface on an active element for increasing friction and slip resistance, in particular an active section.

11. Board-type runner device as claimed in claim 7, characterised in that the at least one insert piece has a plate-shaped basic body, which extends flat underneath the top layer

and/or the running layer.

12. Board-type runner device as claimed in claim 7, characterised in that the at least one insert piece in the at least one housing compartment extends across at least one of the recesses opening into the housing compartment.

13. Board-type runner device as claimed in claim 7, characterised in that the insert piece is of an integral design and extends so that it spans several recesses.

14. Board-type runner device as claimed in claim 7, characterised in that the at least one projection is formed by the at least one insert piece and the distribution of projections corresponds to the distribution of recesses.

15. Board-type runner device as claimed in claim 3, characterised in that the contour of the projections formed by the side faces substantially corresponds to the peripheral contour of the recesses.

16. Board-type runner device as claimed in claim 14, characterised in that the projections extend from a bearing surface of the insert piece in the direction towards the running surface or the top surface into the recesses.

17. Board-type runner device as claimed in claim 1, characterised in that the device is disposed in a binding mounting region of the runner device, in particular in the end region of the binding mounting region directed towards the ski tip.

18. Board-type runner device as claimed in claim 7, characterised in that the insert piece is an elastically flexible and rebounding element.
19. Board-type runner device as claimed in claim 3, characterised in that the recesses incorporating the projections extend across a longitudinal section in a lattice pattern.
20. Board-type runner device as claimed in claim 1, characterised in that the running layer and/or top layer forms a grid-type arrangement, in particular within the longitudinal section.
21. Board-type runner device as claimed in claim 1, characterised in that webs extend between the recesses, the external faces of which bound the recesses.
22. Board-type runner device as claimed in claim 1, characterised in that the top layer and/or the running layer is mounted so as to be at least slightly displaceable in the direction towards the interior, at least in the longitudinal section and in an operating zone.
23. Board-type runner device as claimed in claim 7, characterised in that the material from which at least one insert piece is made has a modulus of elasticity which is lower than a modulus of elasticity of the material of the running layer and/or the top layer and the material from which the core-side boundary surface of the housing compartment is made.
24. Board-type runner device as claimed in claim 7, characterised in that the at least one insert piece is made from an elastically deformable material, preferably a plastic, such

as an elastomer for example.

25. Board-type runner device as claimed in claim 7, characterised in that the at least one insert piece can be forced at least partially out of the housing compartments and/or the recesses in the direction towards the running surface of the running layer or the top surface of the top layer.

26. Board-type runner device as claimed in claim 3, characterised in that the active surfaces of the projections can be temporarily displaced by forcing material out of the recesses or the housing compartment and forming raised areas on the running surface and/or the top surface in the active position.

27. Board-type runner device as claimed in claim 1, characterised in that the device has a thrust element, in particular a thrust plate, which is actively connected to the operating mechanism.

28. Board-type runner device as claimed in claim 27, characterised in that the thrust element displaces the active elements, in particular the projections, into the active position when a thrust force acts on the thrust element, in particular when the operating mechanism is operated.

29. Board-type runner device as claimed in claim 7, characterised in that the insert piece is provided in the form of a variable volume hollow body.

30. Board-type runner device as claimed in claim 29, characterised in that a housing compartment of the hollow body is filled or can be filled with a medium, in particular a fluid or gas.
31. Board-type runner device as claimed in claim 1, characterised in that at least two different devices, in particular insert pieces, are coupled in displacement via a connecting element.
32. Board-type runner device as claimed in claim 4, characterised in that the operating mechanism is the displaceable or flexible top layer and/or running layer disposed in the region of an operating zone.
33. Board-type runner device as claimed in claim 1, characterised in that the top layer and/or the running layer is cambered, in particular convex, in the direction remote from the interior and is preferably elastically flexible in the direction towards the interior.
34. Board-type runner device as claimed in claim 1, characterised in that a core element incorporates a component which is separate from and displaceable relative to the rest of the core element in the region of the operating zone.
35. Board-type runner device as claimed in claim 7, characterised in that the at least one insert piece preferably has a gripping surface which can be held by a user, which has a coefficient of static friction that is higher than a coefficient of static friction at the top surface of the top layer.

36. Board-type runner device as claimed in claim 35, characterised in that the at least one insert piece has a surface roughness, at least on its gripping surface, which is more pronounced than the surface roughness of the top surface of the top layer.

37. Board-type runner device as claimed in claim 7, characterised in that the at least one insert piece is provided in the form of a surface inset, which can be placed in contact with the surface by means of the gripping surface if necessary.

38. Board-type runner device as claimed in claim 37, characterised in that the gripping surface of the surface inset partially replaces the top surface of the top layer and the surface inset is recessed in the top surface of the top layer.

39. Board-type runner device as claimed in claim 1, characterised in that the recess is provided in the form of a groove, in particular an indentation, in the top layer or in the running layer, and the insert piece, in particular the surface inset, is affixed to the groove surfaces at a surface region by means of an adhesive bond, for example, in particular a glued joint.

40. Board-type runner device as claimed in claim 35, characterised in that the gripping surface of the insert piece extends flush with the top surface of the top layer and/or the running surface or is recessed therein.

41. Board-type runner device as claimed in claim 4, characterised in that the operating mechanism has at least one operating element and the device can be placed in the active position by activating the operating element.